

## ABSTRACT

The present invention provides a novel bioactive compound 12- (2'-CARBOXY- 5'-METHOXYPHENYL)-2,12-DIHYDROXY-DODECA-4-ONE "Sporotricolone", mainly  
5 as acetylcholinesterase (AchE) inhibitor, along with a process for the isolation of said compound from fungus *Sporotrichum* species.